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## **Important Information**

## **Important Information**

- It is prohibited to use or copy all or part of this software and Help Manual without permission from Axapharm AG and Rossmax International Ltd.
- Please use the Microsoft Windows Microsoft Office Adobe Acrobat Reader with license agreement.
- The screen images printed in this Help Manual may slightly differ from the images displayed by the software.
- The specifications of this software and the description in this Help Manual are subject to change without prior notice.
- Based on real time to setup the date and time of the blood pressure monitor and the software.

## **Before You Begin**

## **Operation Environment Requirement**

Supported Operating System:

- Microsoft Windows 2000 Professional (SP4)
- Microsoft Windows XP Home Edition (SP2)
- Microsoft Windows XP Professional (SP2)
- Microsoft Windows Vista Home Basic
- Microsoft Windows Vista Home Premium
- Microsoft Windows Vista Business
- Microsoft Windows Vista Enterprise
- Microsoft Windows Vista Ultimate
- Microsoft Windows 7 Home Basic
- Microsoft Windows 7 Home Premium
- Microsoft Windows 7 Professional
- Microsoft Windows 7 Enterprise
- Microsoft Windows 7 Ultimate

NOTE: Please operate or setup BP Manager 6.0 software language in the relative language family supported system.

#### Supported Microsoft Office System:

- Microsoft Office 2000
- Microsoft Office XP
- Microsoft Office 2003
- Microsoft Office 2007

NOTE: The tool program, sharing function and the Office Word of Microsoft Office need to setup completely.

#### Other Software Requirements:

- Adobe Acrobat Reader 5.0 or upgrade
- Microsoft Internet Explorer 6.0 Service Pack 1 or upgrade

#### System Requirements:

- CPU: 800 MHz or more
- Memory: A minimum of 512 MB (megabytes) free memory.
- Hard Disk Space: 200 MB or more of available hard disk space.
- Monitor: 1024 × 768 or large is recommended

#### Other:

- CD-ROM \*1
- USB Interface\*1 (USB 1.1or upgrade)

## Installing the Software

### **Installing Step**

- Please shut off other applications when running BP (Blood Pressure) Manager Setup.
- Download the BP Manager Software from www.axapharm.ch. After the file is downloaded, please double click to start the installation.
- Please follow the directions to install BP Manager.
- · Click on folder
  - BP6.0\_AXAPHARM
- Install the BP manager in the languages you prefer:



Install software by clicking on this icon



BP Manager 6.0 software setup dialog box, click Next

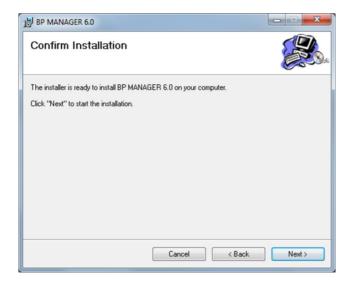


NOTE: The NET Framework 2.0 setup dialog box will appear informing you setup it if the NET Framework 2.0 didn't setup completely, click **Accept** to setup NET Framework 2.0, the BP Manager 6.0 setup dialog box will appear after the NET Framework 2.0 setup ready.

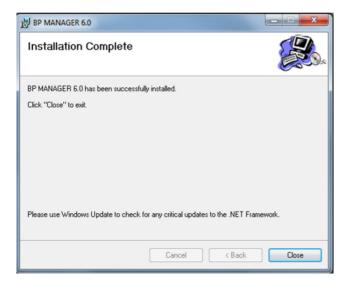
 Select BP Manager 6.0 setup destination and user, click Next or enter your preferred Installation Folder



Click Next



• The BP Manager 6.0 setup, click Close



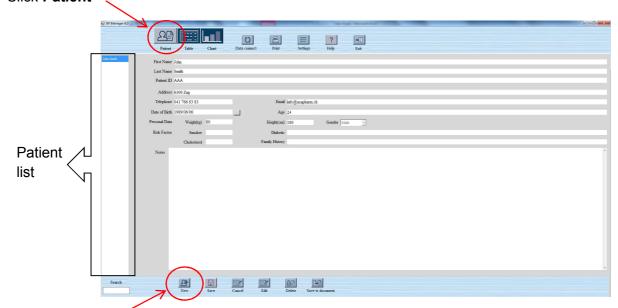
## **Patient Information**

BP Manager 6.0 can create more than one patient information to process blood pressure management individually.

## **Patient Information Window**



#### Click Patient

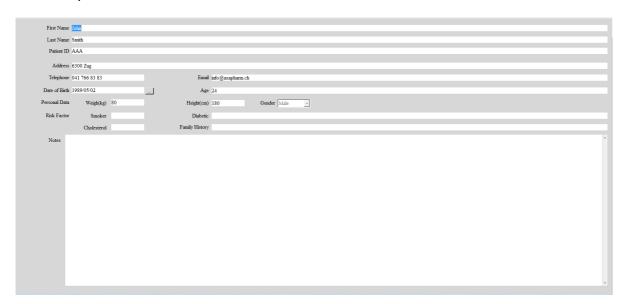


## Create New Patient Information



Click **New**, then enter patient's information.

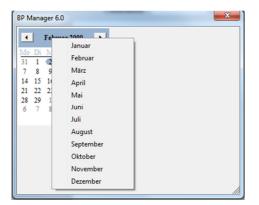
#### For example:



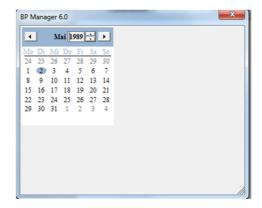
NOTE: Enter the Date of Birth \_\_\_\_ press the number of "Month" and "Year" to select the patient's birth month, day and year from drop down list.



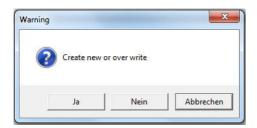
Click month to quick select birth month



Click year to quick select birth year



NOTE: The dialog box will appear if you enter the same patient's ID in creating New Patient Information



Click **Yes** to save as a new file and add **\_serial number** after the repetition patient's ID.

Click **No** to cover the repetition patient's ID information.

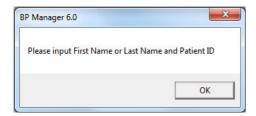
Click Cancel to cancel Create New Patient Information.

#### Save "Create and Edit Patient Information"



Click **Save** to save the Create or Edit patient information under "Create" or" Edit" patient information module.

NOTE: The dialog box will appear if you didn't input First Name or Last Name and patient ID before "Save" it.



#### **Edit Patient Information**



Click patient's name to enter the patient information, then click **Edit** to modify the patient information.

NOTE: You cannot change the patient's ID.

#### **Cancel "Create or Edit Patient Information"**



Click **Cancel** to cancel the Create or Edit patient information under "Create" or" Edit" patient information module.

#### **Delete "Create or Edit Patient Information"**



Click patient's name to enter the patient information, then click **Delete** to appear dialog box. Select **YES** to delete the patient's information, select **NO** to cancel **delete** the patient information.



#### **Search Patient Information**



Enter patient's name or ID to quick search patient information.

#### **Patient Information Transfer to Word File**



Click patient's name to enter the patient information, then click **Save to document** to appear "save as" setting window. Select **Save** to export the information to Word file. Select **Cancel** to cancel exporting the information to Word file.

After data transmit, the information will be saved as word file in your indication file.

#### **Print Patient Information**

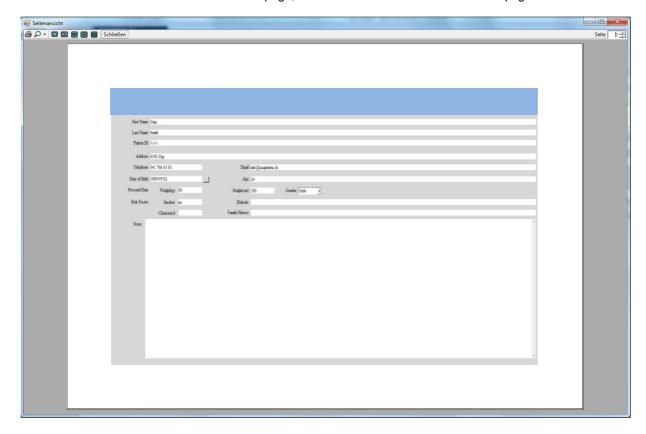


Click patient's name to enter the patient information, then click **Print** to appear **select printer** window, the **print preview** window will appear after click **Print**.

#### print preview window:

- 1. Click to print.
- 2. Click P to select AUTO / 500% / 200% / 150% / 100% / 75% / 50% / 25% / 10% 9 types zoom in and zoom out of display size.
- 3. Click to select one page / two pages / three pages / four pages / six pages
  5 types of preview.
- 4. Click **Close** to close the print preview window directly.
- 5. Page select ▲ shows page down; ▼ shows page up.

NOTE: ▼ will not be action when it in the first page; ▲ will not be action when it in the final page.



## **Data Transfer**

#### **Blood Pressure Data Transfer**

NOTE: Data transferring is supported by blood pressure monitor with time function.

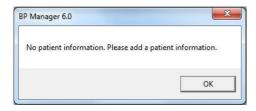
- Make sure blood pressure monitor has power source (batteries or adapter).
- Plug the USB jack of the cable into PC USB port.
- Open the BP Manager 6.0 software.
- Connect USB cable enter ear phone plug into blood pressure monitor data link port, and then click **M** Key of blood pressure monitor enter data transfer mode.





Click **Data connect** to transfer the data.

NOTE: The database must have patient information or it will appear the below information



#### The Result of the Transferring Blood Pressure Data

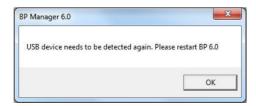
NOTE: Error message will be shown when the data date is 2/29 except the leap year. The transfer result will skip the error data.

1. USB cable disconnection will appear the below information.



NOTE: Please close the BP Manager 6.0, and then open the BP Manager 6.0 after USB cable connection.

2. USB cable loses connection will appear the below information.



NOTE: Please close the BP Manager 6.0, and then open the BP Manager 6.0 after USB cable connecting.

3. Failure data transfer will appear the below information.



NOTE: Please try again transfer step.

4. No data of blood pressure monitor will appear the below information.

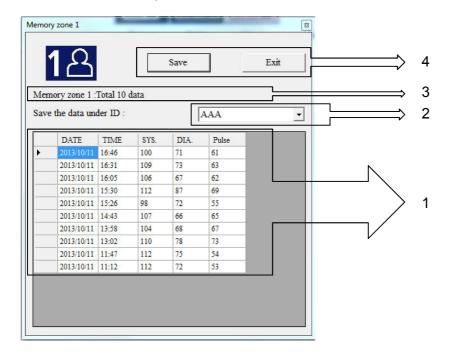


- 5. Successful Transfer: only the first memory zone has data will appear **Memory zone 1**.
- 6. Successful Transfer: only the second memory zone has data will appear **Memory zone 2**.
- 7. Successful Transfer: Both the first and second memory zone have data will appear **Memory zone 1** and **Memory zone 2**.

#### Save the Data

After successful transfer, the blood pressure information window will appear.

## For example Memory zone 1



- Mark 1: The blood pressure data of the blood pressure monitor.
- Mark 2: Select patient ID to save blood pressure data.
- Mark 3: Total number of the blood pressure data.
- Mark 4: Click **Save** to save the blood pressure data.
- Click **Exit** to quit the window.

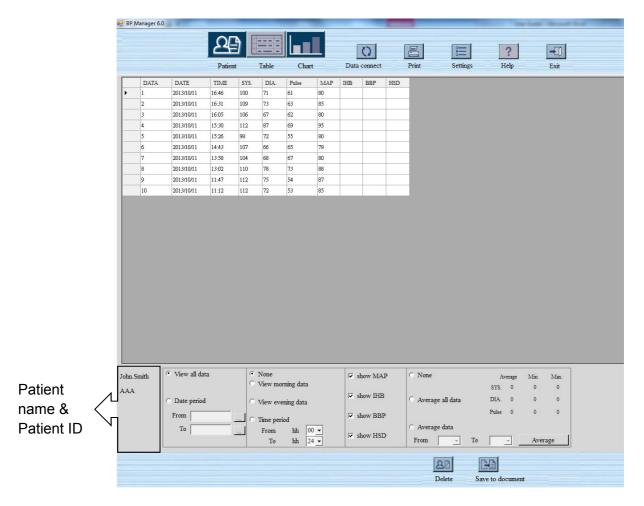
NOTE: Save data according to patient ID.

## **Table Information**

## **Table Information Page**

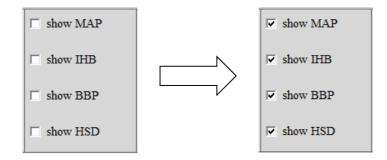


Click Table



#### Create the Table Column

The Table Column can be added MAP / IHB / BBP / HSD column.



MAP: Mean Arterial Pressure

NOTE: Shows the mean arterial pressure value.

IHB: Irregular Heart Beat

NOTE: Shows it's a IHB data.

BBP: Basic Blood Pressure

NOTE: Shows it's a BBP data.

HSD: Hemodynamic Stability Determination

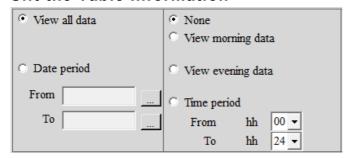
NOTE: Shows it's a instability measuring data.

#### Sort the Table Information

DATA	DATE /	TIME	SYS.	DIA.	Pulse	MAP	IHB	BBP	HSD	Ì
------	--------	------	------	------	-------	-----	-----	-----	-----	---

Click **DATE / TIME / SYS. / DIA. / PULSE / MAP / IHB / BBP / HSD**, and then the data will be sorted up to down or converse.

#### Sift the Table Information



Date appointment area

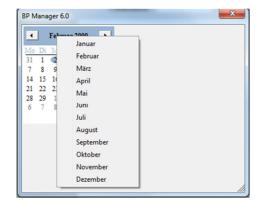
Time appointment area

- 1. View all data + None: All data list.
- 2. View all data + View morning data: Morning data list.
- 3. View all data + View evening data: Evening data list.
- 4. View all data + Time period: The appointed time data list.
- 5. **Date period + None**: The appointed date data list.
- 6. **Date period + View morning data**: The morning data list of the appointed date.
- 7. **Date period + View evening data**: The evening data list of the appointed date.
- 8. **Date period + Time period**: The appointed date and time data list.

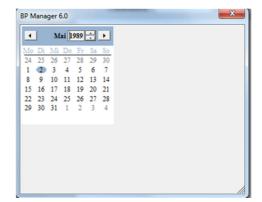
NOTE1: the Morning time= 00:00-11:59; the Evening time= 12:00-23:59

NOTE2: In Date period, click \_\_\_\_ to show date, select **From / To** date.

Click month to quick select birth month



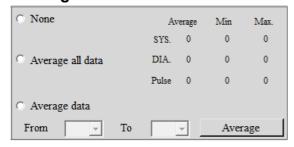
Click year to quick select birth year



NOTE 3: **To** date must ≧ **From** date



## Average the Table Information



## Information Selection:

- 1. None: Delete all selection data.
- 2. Average data: Select an appointed range data.
- 3. Average all data: Select all data.
- 4. Random select: Move the mouse cursor to the information which you selected, then the information will turn into blue.

#### **Data Average:**

After select data, click **Average** to calculate the mean, maximum, minimum value of **SYS.** / **DIA.** / **PULSE**.

NOTE: If you have not selected any data, it will show



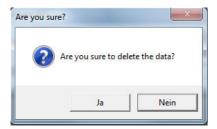
#### **Delete the Table Information**



Click **delete** and then appoint **Delete one** for single data or **Delete from...To** for a serial data



Click and then click **Yes** to delete data; click **No** to quit the window.

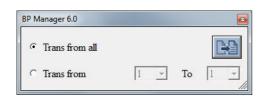


Start to delete data

### **Table Information Transfer to Word File**



Click Save to document to appoint trans from all or trans from .. To



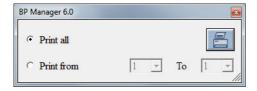
Click to appear "save as" setting window. Select "Save" to export the information to Word file. Select "Cancel" to cancel exporting the information to Word file.

After data transmit, the information will be saved as word file in you indication file.

#### **Print Table Information**



Click Print to appoint Print all or Print from ...To

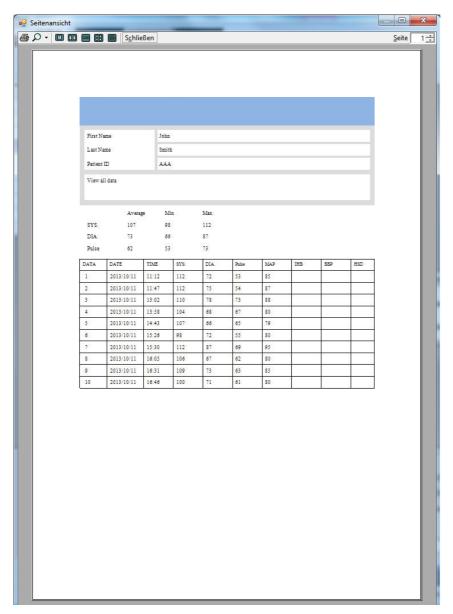


Click to appear select printer window, the print preview window will appear after click Print.

#### Print Preview window:

- 1. Click to print.
- 2. Click P to select AUTO / 500% / 200% / 150% / 100% / 75% / 50% / 25% / 10% 9 types zoom in and zoom out of display size.
- 3. Click to select one page / two pages / three pages / four pages / six pages
  - 5 types of preview.
- 4. Click **Close** to close the print preview window directly.
- 5. Page select ▲ shows page down; ▼ shows page up.

NOTE: ▼ will not be action when it in the first page; ▲ will not be action when it in the final page.



## **Diagram Information**

## **Diagram Information Page**



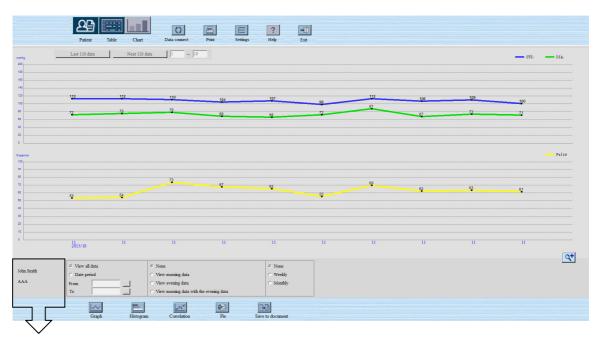
Click Chart

#### Graph



The Graph type can show the SYS., DIA. and PULSE value

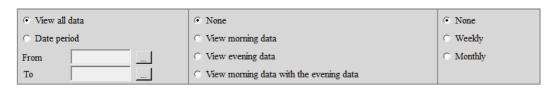
#### Click Graph



Patient name & Patient ID

## Sift the Graph Information

The Graph sifts from 3 areas.



Date appointment area

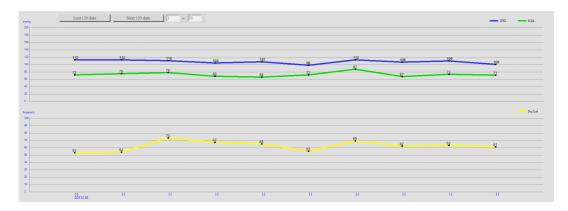
Time appointment area 1

Time appointment area 2

- 1. View all data + None + None: The entire Graph list
- 2. View all data + View morning data + None: The morning Graph list.
- 3. View all data + View evening data + None: The evening Graph list.
- 4. **Date period + None + None**: The entire Graph list of the appointed date.

- 5. **Date period + View morning data + None**: The morning Graph list of the appointed date.
- 6. **Date period + View evening data + None**: The evening Graph list of the appointed date.

NOTE 1: 1 / 2 / 3 / 4 / 5 / 6 shows SYS. (Blue line), DIA. (Green line) and PULSE (Yellow line)



- 7. **View all data + View morning data with the evening data + None**: The morning and evening Graph.
- 8. View all data + None + Weekly: The weekly average Graph.
- 9. View all data + None + Monthly: The monthly average Graph.
- 10. **Date period + View morning data with the evening data + None**: The morning and evening Graph of the appointed date.
- 11. **Date period + None + Weekly**: The weekly average Graph of the appointed date.
- 12. Date period + None + Monthly: The monthly average Graph of the appointed date.

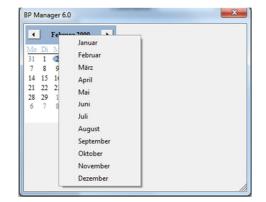
NOTE 2: 7 / 8 / 9 / 10 / 11 / 12 shows SYS, DIA. and PULSE areas from up to down, each area shows the morning Graph (Blue line) and the evening Graph (Green line).

NOTE3: the Morning time= 00:00-11:59; the Evening time= 12:00-23:59

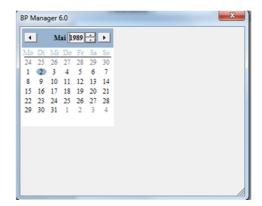
NOTE4: In **Date period**, click \_\_\_\_ to show date, select **From** / **To** date.



Click month to quick select birth month



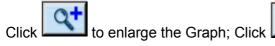
Click year to quick select birth year



NOTE5: **To** date must ≧ **From** date



## Change the Graph Size



to reduce the Graph.

## **Shift the Graph Information**

Every page shows 120 data, click **Last 120 data** to shift to last 120 data; click **Next 120 data** to shift to next 120 data.

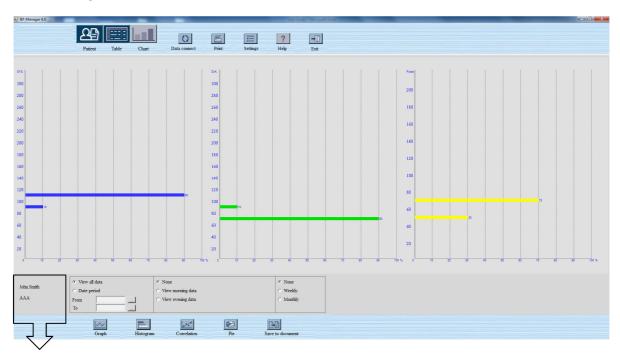
NOTE: Last 120 data will not be action when it in the first data; Next 120 data will not be action when it in the final data.

#### Histogram



The Histogram shows SYS., DIA. and PULSE (%).

#### Click Histogram



Patient name & Patient ID

### Sift the Histogram



Date appointment area

Time appointment area 1

Time appointment area 2

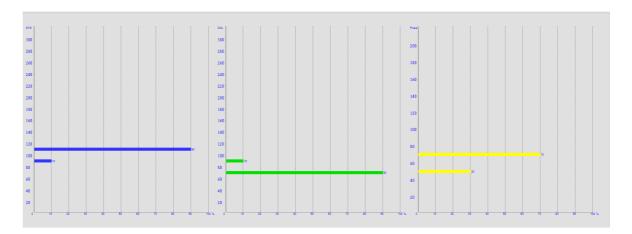
- 1. View all data + None + None: The entire Histogram.
- 2. View all data + View morning data + None: The morning Histogram.
- 3. View all data + View evening data + None: The evening Histogram.
- 4. View all data + None + Weekly: The weekly average Histogram.
- 5. **View all data + None + Monthly**: The monthly average Histogram.
- 6. **Date period + None + None**: The entire Histogram of the appointed date.
- 7. **Date period + View morning data + None**: The morning Histogram of the appointed date.
- 8. **Date period + View evening data + None**: The evening Histogram of the appointed date
- 9. **Date period + None + Weekly**: The weekly average Histogram of the appointed date.
- 10. **Date period + None + Monthly:** The monthly average Histogram of the appointed date.

NOTE1:

SYS. (Blue): Range: 0-300 mmHg, 20 mmHg per section, %.

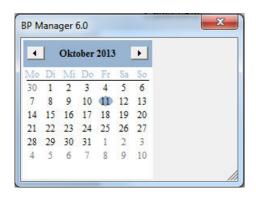
DIA. (Green): Range: 0-300 mmHg, 20 mmHg per section, %.

PULSE (Yellow): Range: 0-200 pulse/min, 20 mmHg per section, %.

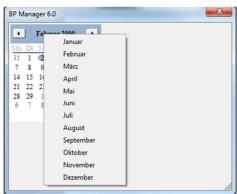


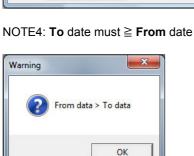
NOTE2: the Morning time= 00:00-11:59; the Evening time= 12:00-23:59

to show date, select **From** / **To** date. NOTE3: In Date period, click

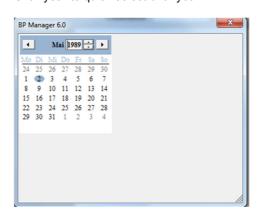


Click month to quick select birth month





Click year to quick select birth year



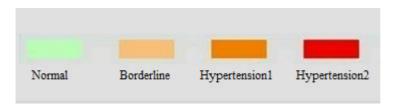
#### Correlation



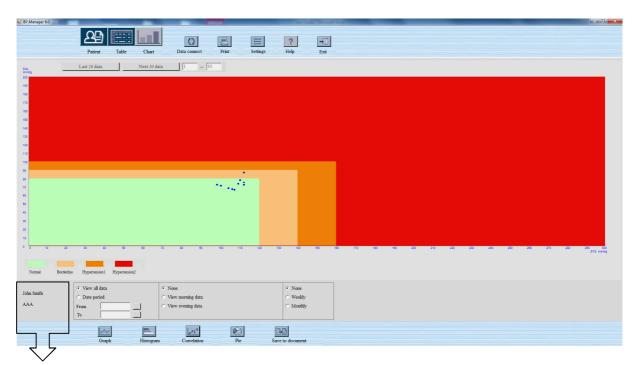
The Correlation shows the points (blue point) of SYS. and DIA..

The hypertension class is separated with color.

NOTE: The color areas are changed with Set Pie-Correlation SYS./DIA. which in Settings.



#### Click Correlation



Patient name & Patient ID

#### Sift the Correlation



Date appointment area

Time appointment area 1

Time appointment area 2

- 1. View all data + None + None: The entire Correlation.
- 2. View all data + View morning data + None: The morning Correlation.
- 3. View all data + View evening data + None: The evening Correlation.
- 4. **View all data + None + Weekly**: The weekly average Correlation.
- 5. View all data + None + Monthly: The monthly average Correlation.
- 6. **Date period + None + None**: The entire Correlation of the appointed date.

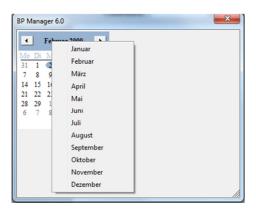
- 7. **Date period + View morning data + None**: The morning Correlation of the appointed date.
- 8. **Date period + View evening data + None**: The evening Correlation of the appointed date.
- 9. **Date period + None + Weekly**: The weekly average Correlation of the appointed date.
- 10. **Date period + None + Monthly**: The monthly average Correlation of the appointed date.

NOTE1: the Morning time= 00:00-11:59; the Evening time= 12:00-23:59

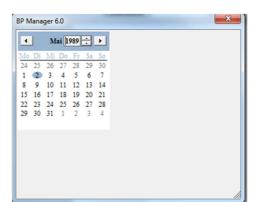
NOTE2: In **Date period**, click \_\_\_\_ to show date, select **From** / **To** date.



Click month to quick select birth month

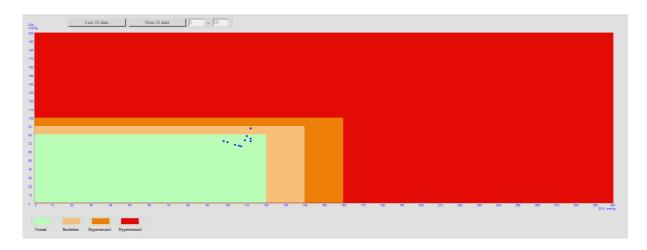


NOTE3: **To** date must ≧ **From** date



Click year to quick select birth year





### **Shift the Correlation Information**

Every page shows 20 data, click **Last 20 data** to shift to last 20 data; click **Next 20 data** to shift to next 20 data.

NOTE: Last 20 data will not be action when it in the first data; Next 20 data will not be action when it in the final data

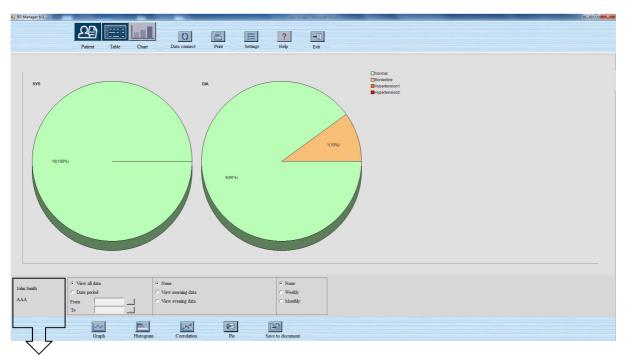
#### Pie



The Pie shows SYS. and DIA. point. The hypertension class is separated with color.

NOTE: The color areas are changed with **Set Pie-Correlation SYS./DIA.** which in **Settings**.

#### Click Pie



Patient name & Patient ID

#### Sift the Pie



Date appointment area

Time appointment area

1 Time appointment area 2

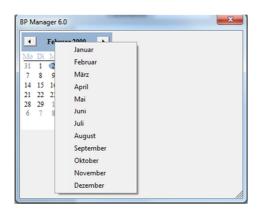
- 1. View all data + None + None: The entire Pie.
- 2. View all data + View morning data + None: The morning Pie.
- 3. View all data+ View evening data + None: The evening Pie.
- 4. View all data + None + Weekly: The weekly average Pie.
- 5. View all data + None + Monthly: The monthly average Pie.
- 6. **Date period + None + None**: The entire Pie of the appointed date.
- 7. **Date period + View morning data + None**: The morning Pie of the appointed date.
- 8. **Date period + View evening data + None**: The evening Pie of the appointed date.
- 9. **Date period + None + Weekly**: The weekly average Pie of the appointed date.
- 10. Date period + None + Monthly: The monthly average Pie of the appointed date.

NOTE1: the Morning time= 00:00-11:59; the Evening time= 12:00-23:59

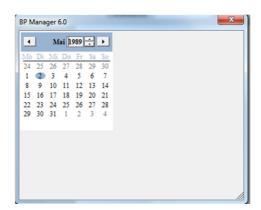
NOTE2: In **Date period**, click \_\_\_\_ to show date, select **From / To** date.



Click month to quick select birth month

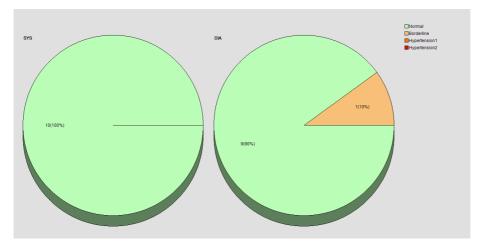


Click year to quick select birth year



NOTE3: **To** date must ≥ **From** date





## **Diagram Information Transfers to Word File**



Click to appear "save as" setting window. Select "Save" to export the information to Word file. Select "Cancel" to cancel exporting the information to Word file.

After data transmit, the information will be saving as word file in you indication file.

#### **Print Diagram Information**

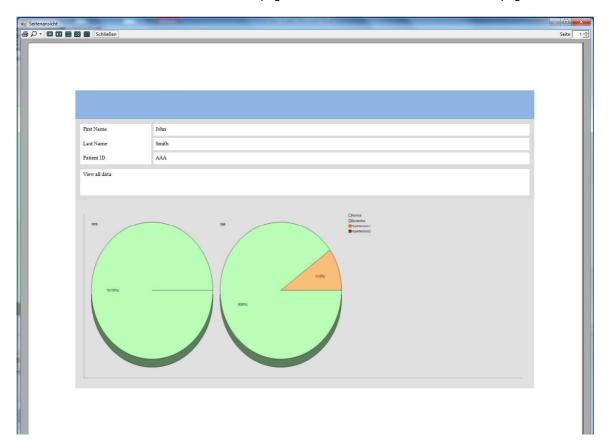


Click **Print** to appear **select printer** window, the **print preview** window will appear after click **Print**.

### **Print preview** window:

- 1. Click to print.
- 2. Click to select AUTO / 500% / 200% / 150% / 100% / 75% / 50% / 25% / 10% 9 types zoom in and zoom out of display size.
- 3. Click to select one page / two pages / three pages / four pages / six pages
  - 5 types of preview.
- 4. Click **Close** to close the print preview window directly.
- 5. Page select ▲ shows page down; ▼ shows page up.

NOTE:  $\blacktriangledown$  will not be action when it in the first page;  $\blacktriangle$  will not be action when it in the final page.



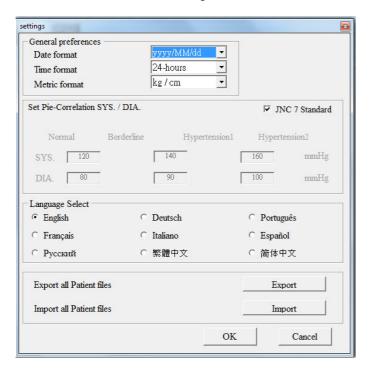
## **Setting**

## **Setting Page**



## Click Setting

NOTE: Please click OK after setting



#### **Set General Preferences**

Date format: you can select yyyy/MM/dd, dd/MM/yyyy or MM/dd/yyyy

Time format: you can select 12-hours or 24-hours.

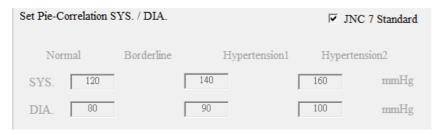
NOTE: 12-hours will only show in the Table Information area, others are showed 24-hours.

Metric format: you can select kg/cm, lb/in.

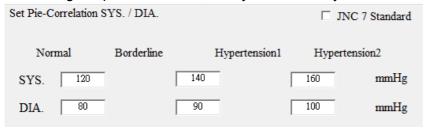
#### Set Pie-Correlation SYS./DIA.

You can select JNC 7standard or Setting

1. JNC 7 standard: Click JNC standard, the value can't be modified.



2. Setting: Skip JNC standard, and you can modify the value.



NOTE: Setting must obey the rule.

- 1.  $A \leq B \leq C$
- 2.  $D \leq E \leq F$
- 3. SYS. ≧ DIA.

Normal		Borderline	Нур	Hypertension 1		Hypertenstion 2	
SYS.	А		В		С		
DIA.	D		E		F		

If fail in set, click **OK** to return original value.



If the setting value:

- 1. SYS. (A / B / C) less than 40 mmHg.
- 2. SYS. (A / B / C) more than 300 mmHg.
- 3. DIA. (D / E / F) less than 40 mmHg.
- 4. DIA. (D / E / F) more than 200 mmHg.

Click **OK** to return original value.



## **Select Language**

9 types of languages selection

- 1. **ENGLISH** English
- 2. **DEUTSCH** German
- 3. **PORTUGUÊS** Portuguese
- 4. FRANCAIS French

5. ITALIANO Italian

- 6. **ESPAÑOL** Spanish
- 7. **РУССКИЙ** Russian
- 8. 繁體中文 Traditional Chinese
- 9. 简体中文 Simple Chinese

#### **Export the Information**

Click **Export** to export all the **patient information**, **table information** and **diagram information** of the BP Manager to an indication file.

Then click **OK** to export the data; click **Cancel** to cancel exportation.



Note: The file name must be patient.xml

#### Import the Information

Click **Import** to Import all the **patient information**, **table information** and **diagram information** into the BP Manager from an indication file.

Then click **OK** to import the data; click **Cancel** to cancel importation.

Note: The file name must be patient.xml

Successful import



Failure import



# Help

## **Operation Instruction**



Click **Help** to view the BP Manager 6.0 Help Manual.

Note: The operation environment is the Adobe Acrobat Reader 5.0 or upgrade.

If you want to setup the Acrobat Reader, click **OK**.

## **Exit**

## Exit the software



- 1. Click Exit.
- 2. Click to close the dialog box.



Click **Yes** to exit BP manager 6.0.